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NOTICE OF ALLOWANCE AND FEE(S) DUE

25944

7590

10/30/2008

OLIFF & BERRIDGE, PLC P.O. BOX 320850 ALEXANDRIA, VA 22320-4850 EXAMINER

AMARI, ALESSANDRO V

ART UNIT PAPER NUMBER

2872 DATE MAILED: 10/30/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/583,405	06/20/2006	Takuya Tsukagoshi	128483	3140

TITLE OF INVENTION: HOLOGRAPHIC RECORDING METHOD, HOLOGRAPHIC MEMORY REPRODUCTION METHOD, HOLOGRAPHIC RECORDING APPARATUS, AND HOLOGRAPHIC MEMORY REPRODUCTION APPARATUS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/30/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

maintenance fee notificat	ions.					correspondence address as arate "FEE ADDRESS" for or domestic mailings of the
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of addr			Fee(s) Transmittal. This cors. Each additional pa	ertificate cannot be used i	for any other accompanying ent or formal drawing, must
25944	7590 10/30	/2008			cate of Mailing or Trans	mission
OLIFF & BERRIDGE, PLC P.O. BOX 320850 ALEXANDRIA, VA 22320-4850			I her State addr tran	eby certify that this F es Postal Service with essed to the Mail St	ee(s) Transmittal is being sufficient postage for fir op ISSUE FEE address (571) 273-2885, on the d	g deposited with the United st class mail in an envelope above, or being facsimile
, in the second	VII 22320 1030			military to the OSI 10	(371) 273 2003, on the c	(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	A.	TORNEY DOCKET NO.	CONFIRMATION NO.
10/583,405	06/20/2006		Takuya Tsukagoshi	-	128483	3140
			, HOLOGRAPHIC MEM DDUCTION APPARATUS		ON METHOD, HOLOG	FRAPHIC
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE F	E TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/30/2009
EXAMI	NER	ART UNIT	CLASS-SUBCLASS			
AMARI, ALES	SSANDRO V	2872	359-021000			
 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Custome Number is required. 			(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to			
PLEASE NOTE: Unle recordation as set forth (A) NAME OF ASSIG	ess an assignee is identi i in 37 CFR 3.11. Comp iNEE	ified below, no assignee eletion of this form is NO	T a substitute for filing an (B) RESIDENCE: (CITY	ntent. If an assignee is assignment. and STATE OR COU	UNTRY)	ocument has been filed for
Please check the appropri	ate assignee category or	categories (will not be pr	rinted on the patent):	Individual	oration or other private gr	oup entity Government
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			 Payment of Fee(s): (Plea A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo 	d. Form PTO-2038 is	attached. he required fee(s), any de	
	SMALL ENTITY statu	s. See 37 CFR 1.27.	☐ b. Applicant is no long	-		
NOTE: The Issue Fee and interest as shown by the re	l Publication Fee (if requecords of the United Sta	iired) will not be accepte tes Patent and Trademark	d from anyone other than t Office.	ne applicant; a register	ed attorney or agent; or the	ne assignee or other party in
Authorized Signature			Date			
Typed or printed name						
This collection of informa an application. Confidents submitting the completed this form and/or suggestic Box 1450, Alexandria, Vi Alexandria, Virginia 2231	iality is governed by 35 application form to the ons for reducing this buringinia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to th ONOT SEND FEES OR	on is required to obtain or r 1.14. This collection is est depending upon the indive e Chief Information Office COMPLETED FORMS TO	etain a benefit by the pimated to take 12 minidual case. Any comnr, U.S. Patent and Tra THIS ADDRESS. S.	oublic which is to file (anutes to complete, including the amount of tidemark Office, U.S. DepEND TO: Commissioner	d by the USPTO to process) in gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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OF PART 1550

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/583,405	06/20/2006	Takuya Tsukagoshi	128483	3140	
25944 75	590 10/30/2008		EXAM	INER	
OLIFF & BERRI	DGE, PLC	AMARI, ALESSANDRO V			
P.O. BOX 320850			ART UNIT	PAPER NUMBER	
ALEXANDRIA, V	'A 22320-4850		2872		
			DATE MAILED: 10/30/2008		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 241 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 241 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)			
	10/583,405	TSUKAGOSHI ET AL.			
Notice of Allowability	Examiner	Art Unit			
	ALESSANDRO AMARI	2872			
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS			
1. This communication is responsive to <u>amdt of 7/17/2008</u> .					
2. \boxtimes The allowed claim(s) is/are <u>1,2,4-6 and 8</u> .					
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application No				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements			
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give					
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.					
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached					
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date					
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date					
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).					
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.					
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. Notice of Informal Pages No./Mail Dat Paper No./Mail Dat 7. Examiner's Amendn 8. Examiner's Stateme 9. Other	(PTO-413), e			

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Art Unit: 2872

REASONS FOR ALLOWANCE

1. Claims 1, 2, 4-6 and 8 are allowed.

2. The following is an examiner's statement of reasons for allowance:

Claim 1 is allowable for at least the reason, "with four or more pixels on the two-dimensional image employed as a unit pixel block, encoded patterns having a different number of ON pixels are allowed to be present at the same time in the unit pixel block to record the two-dimensional image" as set forth in the claimed combination. Claim 2 is allowable due to its dependence on claim 1.

Claim 5 is allowable for at least the reason, "the spatial light modulator is configured to display a two-dimensional image, with four or more pixels on the two-dimensional image employed as a unit pixel block and with at least two types of encoded patterns having a different number of ON pixels in the unit pixel block being allowed to be present at the same time" as set forth in the claimed combination. Claim 6 is allowable due to its dependence on claim 5.

The arguments presented on pages 5 and 6 of the Applicant's remarks of 17 July 2008 were persuasive.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Art Unit: 2872

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALESSANDRO AMARI whose telephone number is (571)272-2306. The examiner can normally be reached on Monday-Friday 8:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephone B. Allen can be reached on (571) 272-2434. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ava 23 October 2008

/Alessandro Amari/ Primary Examiner, Art Unit 2872